

The monooxide and dioxide of abietic acid

Arbuzov B., Khismatullina A.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

1. The monooxide and dioxide of abietic acid were obtained in pure form; the monooxide of methyl abietate was also obtained. 2. By reduction of the monooxide of abietic acid with lithium aluminum hydride the corresponding glycol was obtained. This same glycol was obtained by reduction of the monooxide of methyl abietate. 3. By elimination of acetic acid from the diacetate of the glycol there were obtained the acetates of the dienic alcohols: these consisted of acetates of alcohols with conjugated and with isolated systems of double bonds. 4. The presence of considerable quantities of alcohols with isolated double bonds showed that the original monooxide of abietic acid was the 7,8-oxide. © 1962 Consultants Bureau.

<http://dx.doi.org/10.1007/BF01118752>
